

2. In deep sea sounding it was recently found that it took 24' 10" for the weight at the end of the sounding apparatus to reach the bottom in 2096 fathoms of water. Express this depth in miles and decimal of a mile, and give the rate at which the weight sank in miles per hour. [15]

3. If 6 compositors in 16 days of 10½ hours each can set in type 720 pages each of 60 lines with 40 letters in a line, in how many days of 7 hours each will 9 compositors set 960 pages each of 45 lines with 50 letters in a line? [15]

4. In the early part of the year the Government offered to take French bronze pennies from the public at the rate of 13 for a shilling. The Government would be able to exchange them again at the rate of 252 for a sovereign. What would the exchequer gain or lose on every million pennies so received? [15]

5. For how much must a four months' note without interest be made so that it may yield \$1000 when discounted at a bank at 6 per cent.? [15]

6. In 5 months at 4 per cent. a man pays a certain interest; had he borrowed \$400,000 more and paid 5 per cent. on the whole sum his interest would have been \$201½. Find the interest which he paid. [15]

7. What sum must be invested at the beginning of each year for 3 years to pay off a debt of \$600 due at the end of 5 years, interest reckoned at 5 per cent.

8. If oranges 2 inches in diameter are worth 75c. a dozen, how much are oranges 2½ inches in diameter worth? [15]

9. If 5 men can mow a square meadow in 4 days, find the time 9 men will take to mow a square meadow half as long again as the former? [15]

10. A person invests £3500 in railroad ordinary stock at 87½. The railroad pays a dividend at the rate of 2 per cent. for the first half year, and the price of the stock rises to 91. He sells half his stock and buys 6 per cent. preference shares at 117. The next half-yearly dividend is at the rate of 6 per cent. per annum on the ordinary stock. How much did he lose by changing, and what was his whole income for the year? [15]

BOOKKEEPING.

Second Division.

1. Explain the meaning of Cr., Dr., Resource, Invent, Net, Gain, Balance, Closing an Account. [21]

2. Write out an account for groceries, containing not less than six items, and receipt it. [14]

3. Give Ledger entries for the following: June 18th.—Received from James Douglas, cash on account, \$100.

" 19th.—Paid Alfred Dickson in full of account, \$75.50.

" 19th.—Bought of Cameron and Campbell merchandise to the amount of \$504. [15]

CONTEMPORARY LITERATURE.

PRACTICAL LESSONS IN THE USE OF ENGLISH. Mary F. Hyde, Albany Normal School. *Ibid.*

A good, practical text-book.

WORDSWORTH'S PRELUDE. With Notes. By Prof. George, of Boston University. *Ibid.*

The present edition of the Prelude, fitly dedicated to the late Henry N. Hudson, is a serviceable one. The notes are appreciative and well-written.

CLASSICS FOR CHILDREN: SCOTT'S LAY OF THE LAST MINSTREL. Boston: Ginn & Co. 1888.

NATURE READERS. No. 2. Julia McNair Wright. Boston: D. C. Heath & Co.

This series of primary readers is intended to awaken interest in Natural Science and develop the thinking and observing powers of children. The language used is clear and simple, and the lessons interesting.